Quiz Date: 20th July 2020

Directions (1-5): **Study the following information carefully and answer the given questions.**
Eight persons are sitting around a circular table. Four of them are facing towards the centre and four of them are facing away from the centre. Each of them like a different colour. The one who likes pink is not the immediate neighbour of F and faces away from the centre. A sits second to the left of C and likes neither black nor green. The one who likes black is an immediate neighbour of H and F. B faces away from the centre and does not like pink and magenta. E faces towards the centre and likes purple. Both the immediate neighbours of E face away from the centre and like blue and magenta colour. D faces away from the centre. Both the immediate neighbours of D face towards the centre. E sits third to the right of F, who likes yellow. C sits third to the left of F. The one who likes blue sits opposite to F. G does not like white colour. D isn't immediate neighbor of E. D does not like green colour.

Q1. G likes which of the following colour?
(a) Purple
(b) Magenta
(c) Blue
(d) Black
(e) None of these

Q2. Who among the following likes Green colour?
(a) B
(b) C
(c) G
(d) E
(e) None of these

Q3. Who among the following sits third to the left of G?
(a) H
(b) The one who likes pink colour
(c) The one who likes blue colour
(d) F
(e) None of these

Q4. How many persons are sitting between D and the one who likes magenta colour?
(a) One
(b) Two
(c) Four
(d) Three
(e) None

Q5. What is the position of H with respect to F?
(a) Second to the right
(b) Immediate left

(c) Third to the right
(d) Fourth to the left
(e) None of these

Directions (6-10): **In the following questions, the symbols %, &, #, * and $ are used with the following meaning as illustrated below-**
'P*Q' means 'P is neither equal to nor smaller than Q'
'P%Q' means 'P is not smaller than Q'
'P#Q' means 'P is not greater than Q'
'P$Q' means 'P is neither greater than nor equal to Q'
'P&Q' means 'P is neither smaller than nor greater than Q'

Now in each of the following questions assuming the given statement to be true, find which of the conclusions given below them is/are definitely true and give your answer accordingly.

Q6. Statements: R*W$U%I$X&C#V
Conclusions: I. V*I   II. R$U
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

Q7. Statements: E%F#G$D&H%B*N#M
Conclusions: I. F$H   II. N#D
(a) None is true
(b) Both are true
(c) Only II is true
(d) Either I or II is true
(e) Only I is true

Q8. Statements: W*Q#D&F*VBN
Conclusions: I. D%V   II. V$N
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

Q9. Statements: T$Y%U#V*G%F$D&B
Conclusions: I. B%V   II. V*B
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

Q10. Statements: F#R&E$C%S%B&X%O
Conclusions: I. C&O   II. O$C
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

Directions (11–15): **Study the following information to answer the given questions.**
A word and number arrangement machine when given an input of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.

Input: 50 kindle 93 life gratification 46 decode 17 smart 32 78 image
Step I: 17 50 kindle life graduate 46 decode smart 32 78 image 93
Step II: 17 32 50 kindle life graduate 46 decode smart image 78 93
Step III: 17 32 46 kindle life graduate decode smart image 50 78 93
Step IV: 17 32 46 decode kindle life graduate image smart 50 78 93
Step V: 17 32 46 decode graduate kindle image life smart 50 78 93
Step VI: 17 32 46 decode graduate image kindle life smart 50 78 93
Step VI is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input. Input for the questions.

Input: 69 command octal 19 around 83 lost 50 about 75 bring 36

Q11. How many steps would be needed to complete the arrangement?
(a) X
(b) VIII
(c) IX
(d) VII
(e)None of these

Q12. Which step number would be the following output?
19 36 50 about around command bring lost octal 69 75 83
(a) II
(b) VI
(c) V
(d) IV
(e) None of these

Q13. Which of the following would be Step I?
(a) 19 36 50 command octal around lost about bring 69 75 83
(b) 83 69 command octal around lost 50 about 75 bring 36 19
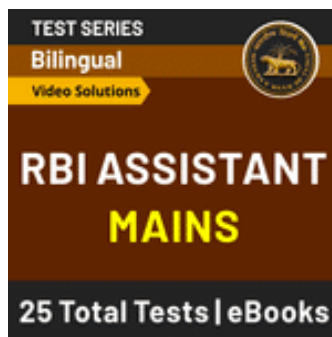(c) 19 69 about around command octal lost 50 75 bring 36 83

(d) 19 69 command octal around lost 50 about 75 bring 36 83
(e) None of these

Q14. Which of the following would be the final arrangement?
(a) 69 75 83 about around command lost octal 19 36 50
(b) 19 36 50 about around bring command lost octal 69 75 83
(c) 19 36 50 69 75 83 about around bring command lost octal
(d) 19 36 50 about lost around bring command octal 69 75 83
(e) None of these

Q15. In Step IV, which of the following word/number would be on 7th position (from the right)?
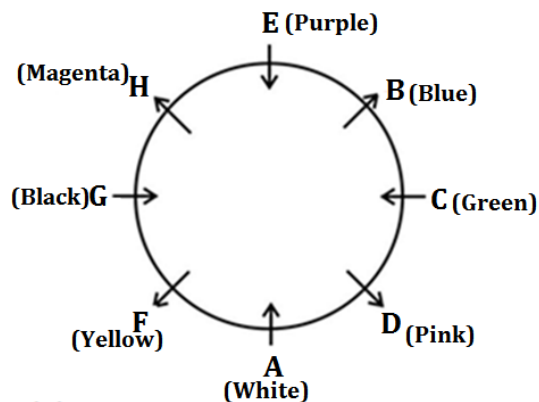(a) Octal
(b) Around
(c) 69
(d) Bring
(e) None of these

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Solutions

Solutions (1-5):
Sol.

E (Purple)
(Magenta) H
B (Blue)
(Black) G
C (Green)
F (Yellow)
D (Pink)
A (White)

S1. Ans.(d)
S2. Ans.(b)
S3. Ans.(c)

S4. Ans.(d)
S5. Ans.(a)

Solutions (6-10):
S6. Ans. (b)
Sol. I. V*I(True)   II. R$U (False)

S7. Ans. (e)
Sol. I. F$H(True)   II. N#D(False)

S8. Ans. (c)
Sol. I. D%V(False)   II. V$N(True)

S9. Ans. (d)
Sol. I. B%V(False)   II. V*B(False)

S10. Ans. (d)
Sol. I. C&O(False)   II. O$C (False)

Solutions (11-15):
(i) For numbers- In this input-output two numbers are rearranging in each step. Smallest number arrange at left end and highest number is arrange at right end, then in the next step second smallest number is arranged at left end and second highest number is arrange at right end. This process is continued till all numbers are arranges.
(ii) After arranging all numbers, words are added in a same way, two words are arrange in each step. The word is arranged alphabetical order at the left most end and the reverse alphabetical order at the rightmost end in each step. This process is continued till all words are arranged.
Input: 69 command octal 19 around 83 lost 50 about 75 bring 36
Step I: 19 69 command octal around lost 50 about 75 bring 36 83
Step II: 19 36 69 command octal around lost 50 about bring 75 83
Step III: 19 36 50 command octal around lost about bring 69 75 83
Step IV: 19 36 50 about command around lost bring octal 69 75 83
Step V: 19 36 50 about around command bring lost octal 69 75 83
Step VI: 19 36 50 about around bring command lost octal 69 75 83
S11.Ans.(e)
S12.Ans.(c)
S13.Ans.(d)
S14.Ans.(b)
S15.Ans.(b)